IN THE CLAIMS

1-18 (cancelled)

- 19. (new) A method of producing double low restorer lines of Brassica napus for Ogura cytoplasmic male sterility (cms) presenting radish introgression carrying the Rfo restorer gene deleted of the radish Pgi-2 allele and recombined with the Pgi-2 gene from Brassica oleracea, and having a good agronomic value characterised by female fertility, a good transmission rate of Rfo and a high vegetative vigour, comprising:
- a) crossing double low cms lines of spring Brassica napus comprising a deleted radish insertion with the double low line of spring Drakkar for forming heterozygous restored plants of Brassica napus;
- b) irradiating before meiosis the heterozygous restored plants obtained in step a) with gamma ray irradiation;
- c) crossing pollen from flowers obtained in step b) with the cms double low spring Wesroona line;
- d) testing the progeny for vigour, female fertility and transmission rate of the cms gene; and
 - e) selecting progeny lines.
- 20. (new) The method of claim 19, wherein said irradiation dose in step b) is 65 Gray during 6 mn.
- 21. (new) The method of claim 19 wherein the double low cms line of spring Brassica napus of step a) is R211.
- 22. (new) The method of claim 19 wherein said testing is performed with the combination of five markers selected from the group consisting of PGIol, PGIUNT, PGIint, BolJon and CP418.

- 23. (new) Double low restorer lines of Brassica napus for Ogura cytoplasmic male sterility (cms) presenting an Rfo insertion deleted of the radish Pgi-2 allele and recombined with the Pgi-2 gene from Brassica oleracea, and having a good agronomic value characterised by female fertility, a good transmission rate of Rfo and a high vegetative vigour.
- 24. (new) The double low restorer lines of claim 23, wherein said lines present a unique combination of five markers selected from the group consisting of PGIol, PGIUNT, PGIint, BolJon and CP418.
- 25. (new) A method of producing *Brassica napus* hybrid plants and progeny thereof, comprising:
- a) providing a restorer line produced by the method
 of claim 19 and bred to be homozygous;
- b) using said restorer line in a hybrid production field as the pollinator;
- c) using cms sterile plants in a hybrid production field as the hybrid seed producing plant; and
- d) harvesting the hybrid seed from the male sterile plant.
- 26. (new) Seeds of Brassica plant developed from the Brassica line obtained by the method of claim 19.
- 27. (new) Seeds of *Brassica napus* obtained by the method of claim 25.
- 28. (new) Seeds of *Brassica napus* obtained by the method of claim 19 deposited in NCIMB Limited, under reference number NCIMB41183.

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29. (new) A method for characterising recombined restorer lines of Brassica napus for Ogura cms presenting a Rfo insertion deleted of the radish Pgi-2 allele and recombined with the Pgi-2 gene from Brassica oleracea, and having a good agronomic value characterised by female fertility, a good transmission rate of Rfo and a high vegetative vigour, comprising the use of at least four markers, PGIol, PGIint, BolJon and CP418, or any portion of them containing at least one polymorphic site.

- 30. (new) The method of claim 29 wherein the combination of markers further comprises PGIUNT.
 - 31. (new) The method of claim 30, wherein:

the marker PGIol is amplified using the primers: PGIol U, comprising SEQ ID NO:6 and PGIol L, comprising SEQ ID NO:7;

the marker PGIint is amplified using the primers: PGIint U, comprising SEQ ID NO:8 and PGIint L, comprising SEQ ID NO:9;

the marker BolJon is amplified using the primers: BolJon U, comprising SEQ ID NO:12 and BolJon L, comprising SEQ ID NO:13;

the marker CP418 is amplified using the primers: SG129 U, and pCP418 L, comprising SEQ ID NO: 14;

the marker PGIUNT is amplified using the primers: PGIol U, comprising SEQ ID NO:6 and PGIint L, comprising SEQ ID NO:9.

- 32. (new) A PGIol marker comprising SEQ ID NO:1.
- 33. (new) A PGIUNT marker comprising SEQ ID NO:2.

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- 34. (new) A PGIint marker comprising SEQ ID NO:3.
- 35. (new) A BolJon marker comprising SEQ ID NO:4.
- 36. (new) A CP418 marker comprising SEQ ID NO:5.